

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/547,206

CRF Edit Date: 9/9/05
Edited by: h

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

✓
Other:

corrected <1407, <1417, <1507, <1517 section



PCT10

RAW SEQUENCE LISTING

DATE: 09/09/2005

PATENT APPLICATION: US/10/547,206

TIME: 16:34:26

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09092005\J547206.raw

```

3 <110> APPLICANT: JACQUET, Alain
5 <120> TITLE OF INVENTION: HYPOALLERGENIC DER P1 AND DER P3 PROTEINS FROM
DERMATOGRAPHOIDES
6     PTERONYSSINUS
8 <130> FILE REFERENCE: VB60107
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/547,206
C--> 10 <141> CURRENT FILING DATE: 2005-08-26
10 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/001850
11 <151> PRIOR FILING DATE: 2004-02-24
13 <150> PRIOR APPLICATION NUMBER: GB 0304424.5
14 <151> PRIOR FILING DATE: 2003-02-26
16 <160> NUMBER OF SEQ ID NOS: 26
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 909
22 <212> TYPE: DNA
23 <213> ORGANISM: Dermatophagoides pteronyssinus
25 <220> FEATURE:
26 <221> NAME/KEY: CDS
27 <222> LOCATION: (1)...(906)
29 <400> SEQUENCE: 1
30 cgg ccg agc tcc att aag acc ttc gag gaa tac aag aaa gcc ttc aac      48
31 Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala Phe Asn
32 1          5          10          15
34 aag agc tat gcc acc ttc gag gac gag gag gcc gcg cgc aag aac ttc      96
35 Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys Asn Phe
36          20          25          30
38 ctg gaa agc gtg aaa tac gtg cag agc aac ggc ggg gct ata aat cac      144
39 Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gly Gly Ala Ile Asn His
40          35          40          45
42 ctg tcc gac ctg tct tta gac gag ttc aag aac cgg ttc ctg atg agc      192
43 Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu Met Ser
44          50          55          60
46 gcc gag gct ttc gaa cac ctt aag acc cag ttt gat ctc aac gcg gag      240
47 Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn Ala Glu
48 65          70          75          80
50 acc aac gcc tgc agt atc aac ggc aat gcc ccc gct gag att gat ctg      288
51 Thr Asn Ala Cys Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile Asp Leu
52          85          90          95
54 cgc cag atg agg acc gtg act ccc atc cgc atg caa ggc ggc tgc ggg      336
55 Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly Cys Gly
56          100          105          110
58 tct tgt tgg gcc ttt tca ggc gtg gcc gcg aca gag tcg gca tac ctc      384
59 Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala Tyr Leu

```

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DATE: 09/09/2005

PATENT APPLICATION: US/10/547,206

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09092005\J547206.raw

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60          115          120          125
62 gcg tat cgg aat cag agc ctg gac ctc gct gag cag gag ctc gtt gac 432
63 Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu Val Asp
64          130          135          140
66 tgc gcc tcc caa cac gga tgt cat ggg gat acg att ccc aga ggt atc 480
67 Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg Gly Ile
68 145          150          155          160
70 gaa tac atc cag cat aat ggc gtc gtg cag gaa agc tat tac cga tac 528
71 Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr Arg Tyr
72          165          170          175
74 gta gct agg gag cag tcc tgc cgc cgt cct aac gca cag cgc ttc ggc 576
75 Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg Phe Gly
76          180          185          190
78 att tcc aat tat tgc cag atc tac ccc cct aat gcc aac aag atc agg 624
79 Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asn Ala Asn Lys Ile Arg
80          195          200          205
82 gag gcc ctg gcg cag acg cac agc gcc atc gct gtc atc atc gga atc 672
83 Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile Gly Ile
84          210          215          220
86 aag gat ctg gac gca ttc cgg cac tat gac ggg cgc aca atc atc cag 720
87 Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile Ile Gln
88 225          230          235          240
90 cgc gac aac gga tat cag cca aac tac cac gcg gtc aac atc gtg ggt 768
91 Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile Val Gly
92          245          250          255
94 tac tcg aac gcc cag ggg gtg gac tac tgg atc gtg aga aac agt tgg 816
95 Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn Ser Trp
96          260          265          270
98 gac act aac tgg ggc gac aac ggc tac ggc tac ttc gcc gcc aac atc 864
99 Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala Asn Ile
100          275          280          285
102 gac ctg atg atg atc gag gag tac ccg tac gtg gtg atc ctg 906
103 Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu
104          290          295          300
106 taa 909
108 <210> SEQ ID NO: 2
109 <211> LENGTH: 302
110 <212> TYPE: PRT
111 <213> ORGANISM: Dermatophagoides pteronyssinus
113 <400> SEQUENCE: 2
114 Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala Phe Asn
115 1 5 10 15
116 Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys Asn Phe
117 20 25 30
118 Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gly Gly Ala Ile Asn His
119 35 40 45
120 Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu Met Ser
121 50 55 60
122 Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn Ala Glu

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/547,206

DATE: 09/09/2005

TIME: 16:34:26

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09092005\J547206.raw

```

123 65          70          75          80
124 Thr Asn Ala Cys Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile Asp Leu
125          85          90          95
126 Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly Cys Gly
127          100          105          110
128 Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala Tyr Leu
129          115          120          125
130 Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu Val Asp
131          130          135          140
132 Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg Gly Ile
133 145          150          155          160
134 Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr Arg Tyr
135          165          170          175
136 Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg Phe Gly
137          180          185          190
138 Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asn Val Asn Lys Ile Arg
139          195          200          205
140 Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile Gly Ile
141          210          215          220
142 Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile Ile Gln
143 225          230          235          240
144 Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile Val Gly
145          245          250          255
146 Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn Ser Trp
147          260          265          270
148 Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala Asn Ile
149          275          280          285
150 Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu
151          290          295          300
154 <210> SEQ ID NO: 3
155 <211> LENGTH: 302
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: C4R mutant of ProDer p 1
162 <400> SEQUENCE: 3
163 Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala Phe Asn
164 1          5          10          15
165 Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys Asn Phe
166          20          25          30
167 Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gly Gly Ala Ile Asn His
168          35          40          45
169 Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu Met Ser
170          50          55          60
171 Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn Ala Glu
172 65          70          75          80
173 Thr Asn Ala Arg Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile Asp Leu
174          85          90          95
175 Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly Cys Gly

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/547,206

DATE: 09/09/2005

TIME: 16:34:26

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09092005\J547206.raw

```

176          100          105          110
177 Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala Tyr Leu
178          115          120          125
179 Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu Val Asp
180          130          135          140
181 Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg Gly Ile
182 145          150          155          160
183 Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr Arg Tyr
184          165          170          175
185 Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg Phe Gly
186          180          185          190
187 Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asn Val Asn Lys Ile Arg
188          195          200          205
189 Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile Gly Ile
190          210          215          220
191 Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile Ile Gln
192 225          230          235          240
193 Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile Val Gly
194          245          250          255
195 Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn Ser Trp
196          260          265          270
197 Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala Asn Ile
198          275          280          285
199 Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu
200          290          295          300
203 <210> SEQ ID NO: 4
204 <211> LENGTH: 909
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <221> NAME/KEY: CDS
210 <222> LOCATION: (1)...(906)
212 <223> OTHER INFORMATION: C4R mutant of ProDer p 1
214 <400> SEQUENCE: 4
215 cgg ccg agc tcc att aag acc ttc gag gaa tac aag aaa gcc ttc aac 48
216 Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala Phe Asn
217 1 5 10 15
219 aag agc tat gcc acc ttc gag gac gag gag gcc gcg cgc aag aac ttc 96
220 Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys Asn Phe
221 20 25 30
223 ctg gaa agc gtg aaa tac gtg cag agc aac ggc ggg gct ata aat cac 144
224 Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gly Gly Ala Ile Asn His
225 35 40 45
227 ctg tcc gac ctg tct tta gac gag ttc aag aac cgg ttc ctg atg agc 192
228 Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu Met Ser
229 50 55 60
231 gcc gag gct ttc gaa cac ctt aag acc cag ttt gat ctc aac gcg gag 240
232 Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn Ala Glu
233 65 70 75 80

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RAW SEQUENCE LISTING

DATE: 09/09/2005

PATENT APPLICATION: US/10/547,206

TIME: 16:34:26

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09092005\J547206.raw

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235 acc aac gcc cgt agt atc aac ggc aat gcc ccc gct gag att gat ctg 288
236 Thr Asn Ala Arg Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile Asp Leu
237      85      90      95
239 cgc cag atg agg acc gtg act ccc atc cgc atg caa ggc ggc tgc ggg 336
240 Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly Cys Gly
241      100      105      110
243 tct tgt tgg gcc ttt tca ggc gtg gcc gcg aca gag tcg gca tac ctc 384
244 Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala Tyr Leu
245      115      120      125
247 gcg tat cgg aat cag agc ctg gac ctc gct gag cag gag ctc gtt gac 432
248 Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu Val Asp
249      130      135      140
251 tgc gcc tcc caa cac gga tgt cat ggg gat acg att ccc aga ggt atc 480
252 Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg Gly Ile
253 145      150      155      160
255 gaa tac atc cag cat aat ggc gtc gtg cag gaa agc tat tac cga tac 528
256 Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr Arg Tyr
257      165      170      175
259 gta gct agg gag cag tcc tgc cgc cgt cct aac gca cag cgc ttc ggc 576
260 Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg Phe Gly
261      180      185      190
263 att tcc aat tat tgc cag atc tac ccc cct aat gcc aac aag atc agg 624
264 Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asn Ala Asn Lys Ile Arg
265      195      200      205
267 gag gcc ctg gcg cag acg cac agc gcc atc gct gtc atc atc gga atc 672
268 Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile Gly Ile
269      210      215      220
271 aag gat ctg gac gca ttc cgg cac tat gac ggg cgc aca atc atc cag 720
272 Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile Ile Gln
273 225      230      235      240
275 cgc gac aac gga tat cag cca aac tac cac gcg gtc aac atc gtg ggt 768
276 Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile Val Gly
277      245      250      255
279 tac tcg aac gcc cag ggg gtg gac tac tgg atc gtg aga aac agt tgg 816
280 Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn Ser Trp
281      260      265      270
283 gac act aac tgg ggc gac aac ggc tac ggc tac ttc gcc gcc aac atc 864
284 Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala Asn Ile
285      275      280      285
287 gac ctg atg atg atc gag gag tac ccg tac gtg gtg atc ctg 906
288 Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu
289      290      295      300
291 taa 909
293 <210> SEQ ID NO: 5
294 <211> LENGTH: 302
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: C31R mutant of ProDer p 1

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/547,206

DATE: 09/09/2005

TIME: 16:34:27

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09092005\J547206.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

STATISTICS SUMMARY

PATENT APPLICATION: US/10/547,206

DATE: 09/09/2005

TIME: 16:34:27

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09092005\J547206.raw

Application Serial Number: US/10/547,206

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 08-26-2005

Art Unit: PCT10

Software Application: FastSEQ

Total Number of Sequences: 26

Total Nucleotides: 7093

Total Amino Acids: 2114

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)